

RECEIVED
CENTRAL FAX CENTER
DEC 30 2009

Appl. No.: 10/572,710
Reply to Office Action of: 09/30/2009

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A mobile cellular telephone comprising:

~~a display;~~

a processor configured to control the operation of the mobile cellular telephone ~~including the~~ and a display of the mobile cellular telephone; and

an incline sensor configured to detect inclination of the mobile telephone in a first plane, wherein the mobile cellular telephone has an inclinometer mode, in which the processor is configured to receive an indication of the detected incline in the first plane from the incline sensor and control the display to display, to a user of the mobile cellular telephone, a bar and an item, at a position within the bar dependent upon the received indication, the position of the item within the bar representative of the sense and amount of inclination of the mobile cellular telephone in the first plane, wherein the display has a first area and the bar has a second area, the second area being smaller than the first area.

2. (Previously presented) A mobile cellular telephone as claimed in claim 1, wherein the processor receives real-time indications of the detected incline in the first plane from

Appl. No.: 10/572,710

Reply to Office Action of: 09/30/2009

the incline sensor and controls the display to move an item, in real-time, through positions dependent upon the received indications.

3. (Previously presented) A mobile cellular telephone as claimed in claim 1, wherein the display has a first axis and the processor controls the display to display an item at a position along the first axis dependent upon the received indication.

4. (Previously presented) A mobile cellular telephone as claimed in claim 1, wherein the incline sensor is configured to additionally detect inclination of the mobile telephone in a second plane, orthogonal to the first plane, wherein, in the inclinometer mode, the processor receives an indication of the detected incline in the second plane from the incline sensor and controls the display to display a further item at a position dependent upon the received indication.

5. (Previously presented) A mobile cellular telephone as claimed in claim 4, wherein the processor receives real-time indications of the detected incline in the first and second planes from the incline sensor and controls the display to move the item and the further item, in real-time, through positions dependent upon the received indications.

6. (Previously presented) A mobile cellular telephone as claimed in claim 4, wherein the display has a first axis and a second axis orthogonal with the first axis and the processor controls the display to display the item at a position along the first axis dependent upon the received indication of the detected incline in the first plane and the further item at a

Appl. No.: 10/572,710
Reply to Office Action of: 09/30/2009

position along the second axis dependent upon the received indication of the detected incline in the second plane.

7. (Previously presented) A mobile cellular telephone as claimed in claim 1 wherein the incline sensor is additionally configured to detect inclination of the mobile telephone in a second plane, orthogonal to the first plane, and the processor in the inclinometer mode receives a first indication of the detected incline in the first plane and a second indication of the detected incline in the second plane from the incline sensor and controls the display to display the item at a position dependent upon the received first and second indications.

8. (Previously presented) A mobile cellular telephone as claimed in claim 7, wherein the display has a first axis and a second axis orthogonal with the first axis and the processor controls the display to display the item at a co-ordinate position (i,j) , wherein the first co-ordinate is dependent upon the received indication of the detected incline in the first plane and second co-ordinate is dependent upon the received indication of the detected incline in the second plane.

9. (Previously presented) A mobile cellular telephone as claimed in claim 7, wherein the processor receives real-time indications of the detected incline in the first and second planes from the incline sensor and controls the display to move the item, in real-time, through positions dependent upon the received indications.

Appl. No.: 10/572,710
Reply to Office Action of: 09/30/2009

10. (Previously presented) A mobile cellular telephone as claimed in claim 1, wherein the incline sensor comprises a first pair of electrodes aligned along the first plane and partially immersed in a liquid for providing a first signal indicative of an incline in the first plane; and a second pair of electrodes aligned along a second plane, orthogonal to the first plane, and partially immersed in a liquid for providing a second signal indicative of an incline in the second plane.

11. (Currently amended) A mobile cellular telephone comprising:

~~a display;~~

a processor configured to control the operation of the mobile cellular telephone ~~including the~~ and a display of the mobile cellular telephone;

a first incline sensor configured to detect an inclination of the mobile telephone when in a first orientation; and

a second incline sensor configured to detect an inclination of the mobile telephone when in a second orientation, wherein the mobile cellular telephone has an inclinometer mode, in which the processor is configured to determine an approximate orientation of the mobile telephone from inputs from the first and second incline sensors and automatically control the display to display, to a user of the mobile cellular telephone, a first bar, a first item, a second bar and a second item, wherein a position of the first item within the first bar is representative of the incline in the

Appl. No.: 10/572,710
Reply to Office Action of: 09/30/2009

first orientation, and wherein a position of the second item within the second bar is representative of the incline in the second orientation, wherein the display has a first area and the first bar has a second area, the second area being smaller than the first area.

12. (Cancelled)

13. (Previously presented) The use of a mobile telephone as claimed in claim 1 for measuring an incline.

14. (Previously presented) The use of a mobile telephone as claimed in claim 1 for correcting an incline.

15. (Previously presented) A method comprising:

detecting inclination of a mobile telephone in a first plane; and

controlling a display to display, to a user of the mobile telephone, a bar and an item, at a position within the bar dependent upon the detected inclination, the position of the item within the bar representative of the sense and amount of inclination of the mobile telephone in the first plane, wherein the display has a first area and the bar has a second area, the second area being smaller than the first area.

16. (Previously presented) A method as claimed in claim 15, comprising receiving real-time indications of the detected incline in the first plane and controlling the display to move an item, in real-time, through positions dependent upon the detected inclinations.

Appl. No.: 10/572,710
Reply to Office Action of: 09/30/2009

17. (Previously presented) A method as claimed in claim 15, wherein the display has a first axis and the method includes controlling the display to display an item at a position along the first axis dependent upon the detected inclination.

18. (Previously presented) A method as claimed in claim 15, comprising detecting inclination of the mobile telephone in a second plane, orthogonal to the first plane, wherein, in the inclinometer mode, the method includes receiving an indication of the detected incline in the second plane and controlling the display to display a further item at a position dependent upon the received indication.

19. (Previously presented) A method as claimed in claim 18, comprising receiving real-time indications of the detected incline in the first and second planes and controlling the display to move the item and the further item, in real-time, through positions dependent upon the received indications.

20. (Previously presented) A method as claimed in claim 18, wherein the display has a first axis and a second axis orthogonal with the first axis and the method includes controlling the display to display the item at a position along the first axis dependent upon the received indication of the detected incline in the first plane and the further item at a position along the second axis dependent upon the received indication of the detected incline in the second plane.

21. (Previously presented) A method as claimed in claim 15, comprising detecting inclination of the mobile telephone in a second plane, orthogonal to the first plane, and when in the

Appl. No.: 10/572,710
Reply to Office Action of: 09/30/2009

inclinometer mode, the method includes receiving a first indication of the detected incline in the first plane and a second indication of the detected incline in the second plane and controlling the display to display the item at a position dependent upon the received first and second indications.

22. (Previously presented) A method as claimed in claim 21, wherein the display has a first axis and a second axis orthogonal with the first axis and the method includes controlling the display to display the item at a co-ordinate position (i,j), wherein the first co-ordinate is dependent upon the received indication of the detected incline in the first plane and second co-ordinate is dependent upon the received indication of the detected incline in the second plane.

23. (Previously presented) A method as claimed in claim 21, comprising receiving real-time indications of the detected incline in the first and second planes and controlling the display to move the item, in real-time, through positions dependent upon the received indications.

24. (Previously presented) A mobile cellular telephone as claimed in claim 1, wherein the mobile cellular telephone emulates a spirit level when it is in the inclinometer mode.

25. (Currently amended) A mobile cellular telephone comprising:

~~a display;~~

Appl. No.: 10/572,710

Reply to Office Action of: 09/30/2009

a processor configured to control the operation of the mobile cellular telephone ~~including the~~ and a display of the mobile cellular telephone; and

an incline sensor configured to detect inclination of the mobile telephone in a first plane, wherein the mobile cellular telephone has an inclinometer mode, in which the processor is configured to receive an indication of the detected incline in the first plane from the incline sensor and control the display to display, to a user of the mobile telephone, a bar and an item, at a position within the bar, dependent upon the received indication, wherein the position of the item within the bar provides an indication to the user of the incline of the mobile cellular telephone in the first plane, and wherein the processor is configured to position the item at a central location within the bar when the inclination of the mobile cellular telephone in the first plane is substantially zero, and wherein the display has a first area and the bar has a second area, the second area being smaller than the first area.

26. (Previously presented) A memory encoded with computer executable instructions for performing operations to detect and display an inclination comprising:

detecting an inclination of a mobile telephone; and

controlling a display to display, to a user of the mobile telephone, a bar and an item, at a position within the bar dependent upon the detected inclination, wherein the position of the item within the bar is representative of the sense and amount of inclination of the mobile telephone, and wherein the

Appl. No.: 10/572,710

Reply to Office Action of: 09/30/2009

display has a first area and the bar has a second area, the second area being smaller than the first area.

27. (New) A mobile cellular telephone as claimed in claim 1, wherein movement of the item within the bar indicates rotation of the mobile cellular telephone about an x axis, the x axis being perpendicular to the plane of the display.

28. (New) A mobile cellular telephone as claimed in claim 1, wherein the processor is configured to control the display to display a menu structure including an inclinometer option, the inclinometer option being selectable by a user to cause the mobile cellular telephone to enter the inclinometer mode.